

(4) Arrangement drawings and piping diagrams of the item that give the information prescribed by § 56.01-10(d) of this chapter.

(5) Detailed electrical plans of the type described in § 111.05-5(d) of this chapter.

(6) An instructions manual containing detailed instructions on installation, operation, calibration and zeroing, and maintenance of the item.

(7) For each monitor and bilge alarm and each control on a separator, the vibration test report described in § 162.050-37.

(8) For each cargo monitor, a statement of whether it is to be used with crude oils, refined products, or both.

(9) A list of the substances used in operating the item that require certification under part 147 of this chapter as articles of ships' stores and supplies.

(10) The name of the facility to conduct approval testing.

(11) If the applicant intends to use a test rig other than a test rig of the facility, a detailed description of the rig.

(b) An applicant may incorporate by reference in his application information that he has submitted in a previous application.

§ 162.050-7 Approval procedures.

(a) An application for approval of equipment under this subpart must be sent to the Commandant (G-MSE), U.S. Coast Guard, Washington, DC 20593-0001.

(b) The application is examined by the Coast Guard to determine whether the item complies with the design requirements and vibration standard prescribed in this subpart and to determine what probability the item has of passing the approval tests. The applicant is notified of the results of the examination.

(c) If examination of the application reveals that it is incomplete, it is returned to the applicant with a statement of reasons why it is incomplete.

(d) The applicant must make arrangements for approval testing directly with a testing facility and must provide the facility with a copy of the instructions manual for the equipment to be tested.

(e) If applications for approval of a separator have been made for more

than one size, the applicant, in lieu of submitting each size for approval testing, may submit each size that has a capacity exceeding fifty (50) cubic meters per hour throughput, if any, and two additional sizes that have a capacity of fifty (50) cubic meters per hour throughput or less. One of the additional sizes must have a capacity that is in the highest quartile of capacities manufactured in the 0-50 cubic meters per hour throughput range and the other must be from the lowest quartile.

(f) Each approval test must be performed by a facility designated under § 162.050-15. The facility must perform each test in accordance with the test conditions prescribed in this subpart for the test, prepare a test report for the item if it completes all of the tests, and send the report with four copies to the Commandant (G-MSE). The applicant may observe the tests. (If an item does not complete testing, a new application must be made before retesting.)

(g) The Commandant (G-MSE), sends a copy of the test report to the applicant and advises him whether the item is approved. If the item is approved, an approval certificate is sent to the applicant. The approval certificate lists conditions of approval applicable to the item.

(h) A separator is approved under this subpart if—

(1) It meets the design requirements in § 162.050-21 and is tested in accordance with this subpart;

(2) In the case of a 100 p.p.m. separator, the oil content of each sample of separated water effluent taken during approval testing is 100 p.p.m. or less;

(3) In the case of a 15 p.p.m. separator, the oil content of each sample of separated water effluent taken during approval testing is 15 p.p.m. or less;

(4) During Test No. 3S an oily mixture is not observed at the separated water outlet of the separator;

(5) During Test No. 5S its operation is continuous; and

(6) Any substance used in operating the separator that requires certification under part 147 of this chapter as an article of ships' stores or supplies has been certified.

(i) A cargo monitor is approved under this subpart if—

(1) It meets the design requirements in §162.050-25 and is tested in accordance with this subpart;

(2) Each oil content reading recorded during approval testing is within ± 10 p.p.m. or ± 20 percent of the oil content of the sample of influent mixture taken at the time of the reading;

(3) Its response time is twenty (20) seconds or less in Test No. 3CM;

(4) The time intervals between successive readings recorded in Test No. 4CM are twenty (20) seconds or less; and

(5) Any substance used in operating the monitor that requires certification under part 147 of this chapter as an article of ships' stores or supplies has been certified.

(j) A bilge monitor is approved under this subpart if—

(1) It meets the design requirements in §162.050-29 and is tested in accordance with this subpart;

(2) Except as provided in paragraph (j)(5) of this section, each oil content reading recorded during approval testing is within ± 10 p.p.m. or ± 20 percent of the oil content of the sample of influent mixture taken at the time of the reading;

(3) The time intervals between successive readings recorded in Test No. 3BM are twenty (20) seconds or less;

(4) The time intervals between successive readings recorded in Test No. 4BM are twenty (20) seconds or less;

(5) The oil content of the sample taken each time the device required by §162.050-29(c)(1) actuates is 15 p.p.m. ± 5 p.p.m.;

(6) The oil content of the sample taken each time the device required by §162.050-29(c)(2) actuates is 100 p.p.m. ± 20 p.p.m.; and

(7) Any substance used in operating the monitor that requires certification under part 147 of this chapter as an article of ships' stores or supplies has been certified.

(k) A bilge alarm is approved under this subpart if—

(1) It meets the design requirements in §162.050-33 and is tested in accordance with this subpart;

(2) The oil content of each sample taken during approval testing is 15 p.p.m. ± 5 p.p.m.;

(3) Its response time is twenty seconds or less in Test No. 2A; and

(4) Any substance used in operating the alarm that requires certification under part 147 of this chapter as an article of ships' stores or supplies has been certified.

[44 FR 53359, Sept. 13, 1979, as amended by CGD 82-063b, 48 FR 4783, Feb. 3, 1983; 48 FR 45114, Oct. 3, 1983; CGD 88-070, 53 FR 34537, Sept. 7, 1988; CGD 95-072, 60 FR 50467, Sept. 29, 1995; CGD 96-041, 61 FR 50734, Sept. 27, 1996]

§ 162.050-9 Test report.

(a) A report of approval testing must contain the following:

(1) Name of the testing facility.

(2) Name of the applicant.

(3) Date of receiving the item for testing and the dates of the tests conducted.

(4) Trade name and brief description of the item.

(5) A listing of the following properties of the test oils used:

(i) Relative density at 15 °C.

(ii) Viscosity in centistokes at 37.8 °C.

(iii) Flashpoint.

(iv) Weight of ash content.

(v) Weight of water content.

(vi) Relative density at 15 °C. the of water used during testing and the weight of solid content in the water.

(vii) The data recorded during each test.

(b) [Reserved]

§ 162.050-11 Marking.

(a) Each separator, monitor, and bilge alarm manufactured under Coast Guard approval must be plainly marked by the manufacturer with the information listed in paragraph (b) of this section. The marking must be securely fastened to the item.

(b) Each marking must include the following information:

(1) Name of the manufacturer.

(2) Name or model number of the item.

(3) If the item is a separator, the maximum throughput and the maximum influent pressure at which the separator is designed to operate.

(4) The month and year of completion of manufacture.